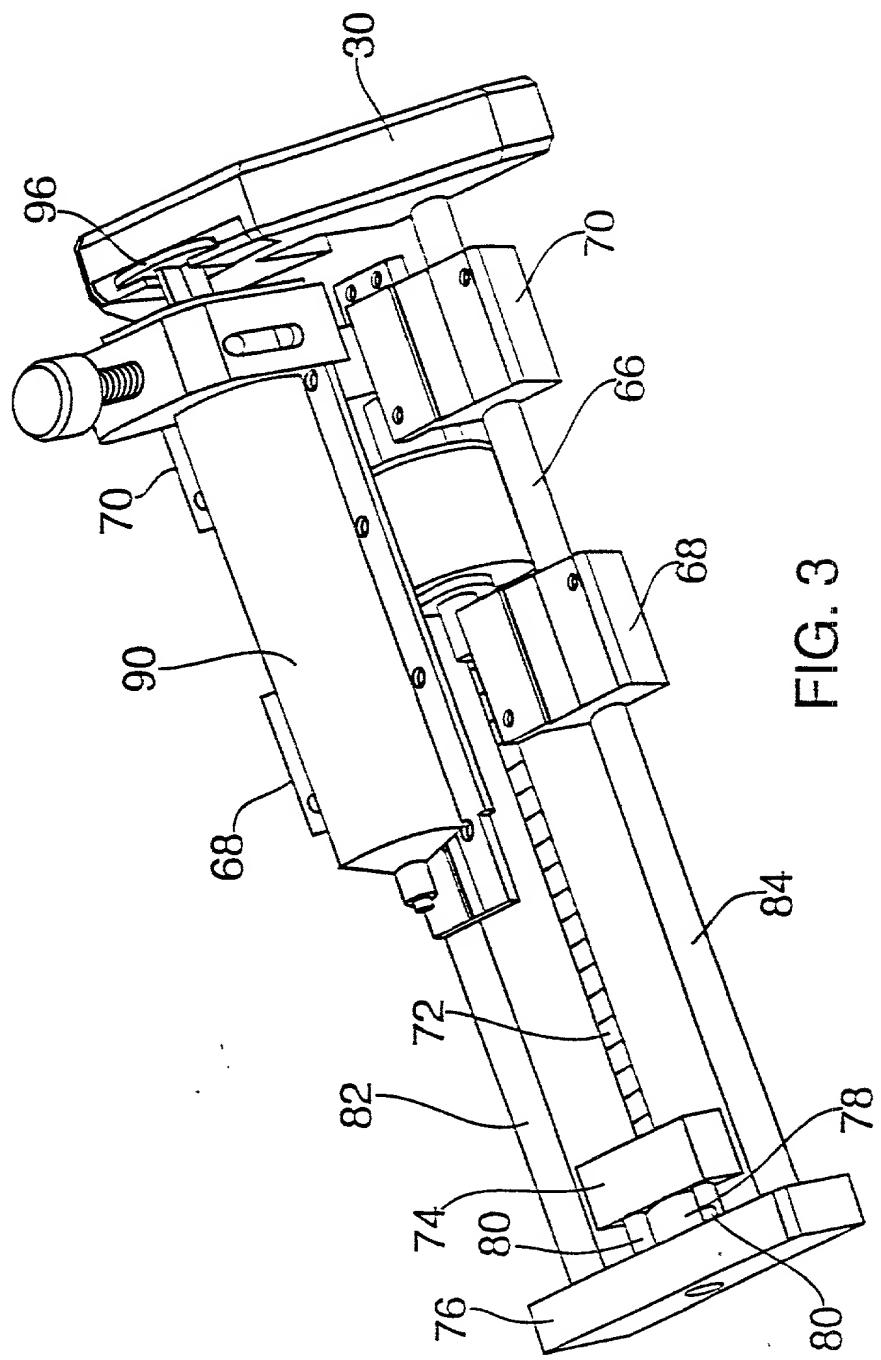


FIG. 2



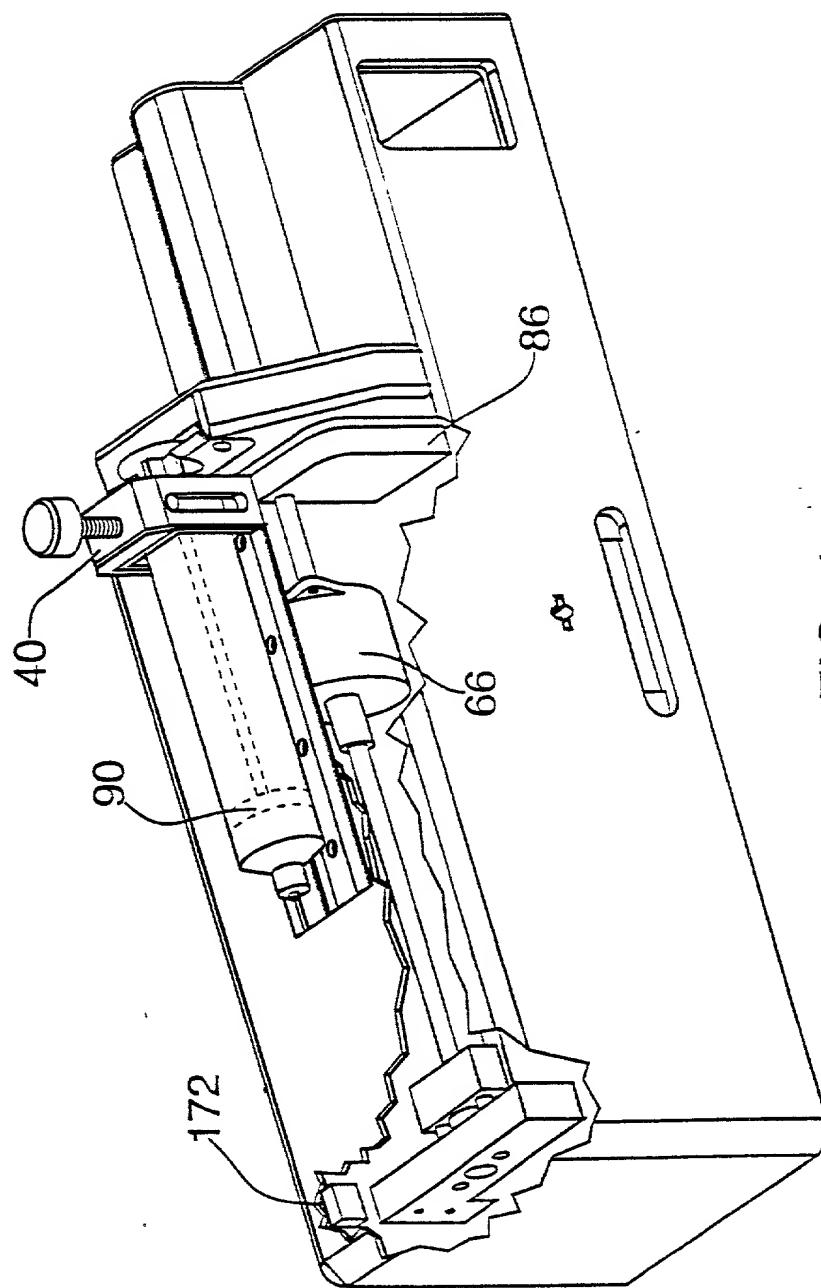


FIG. 4

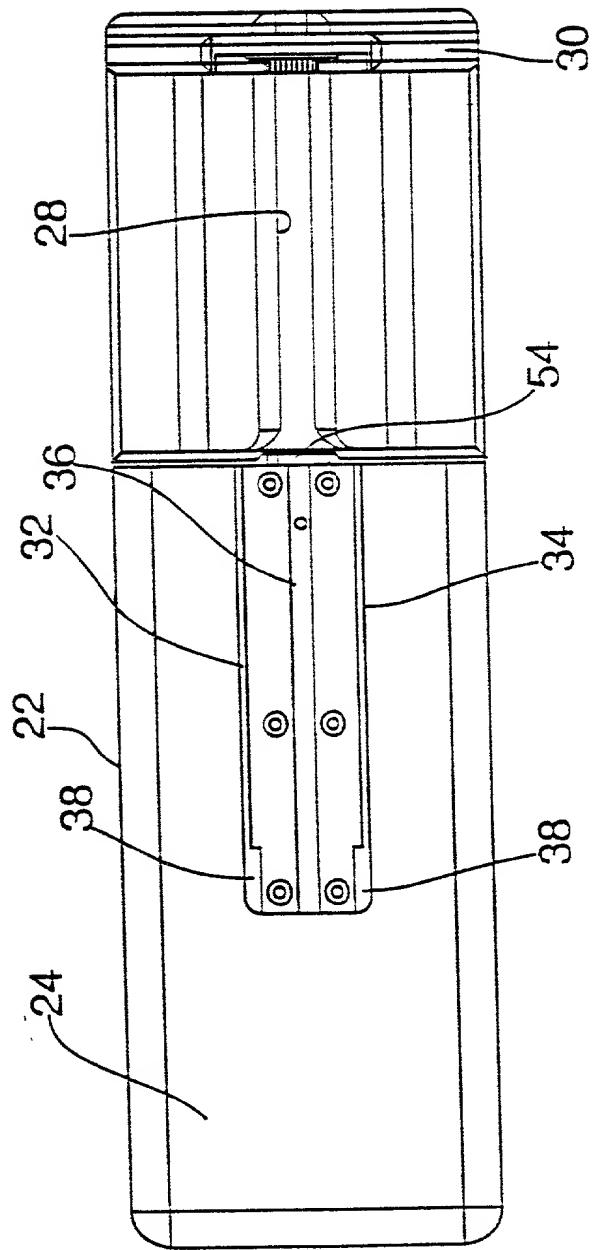


FIG. 5A

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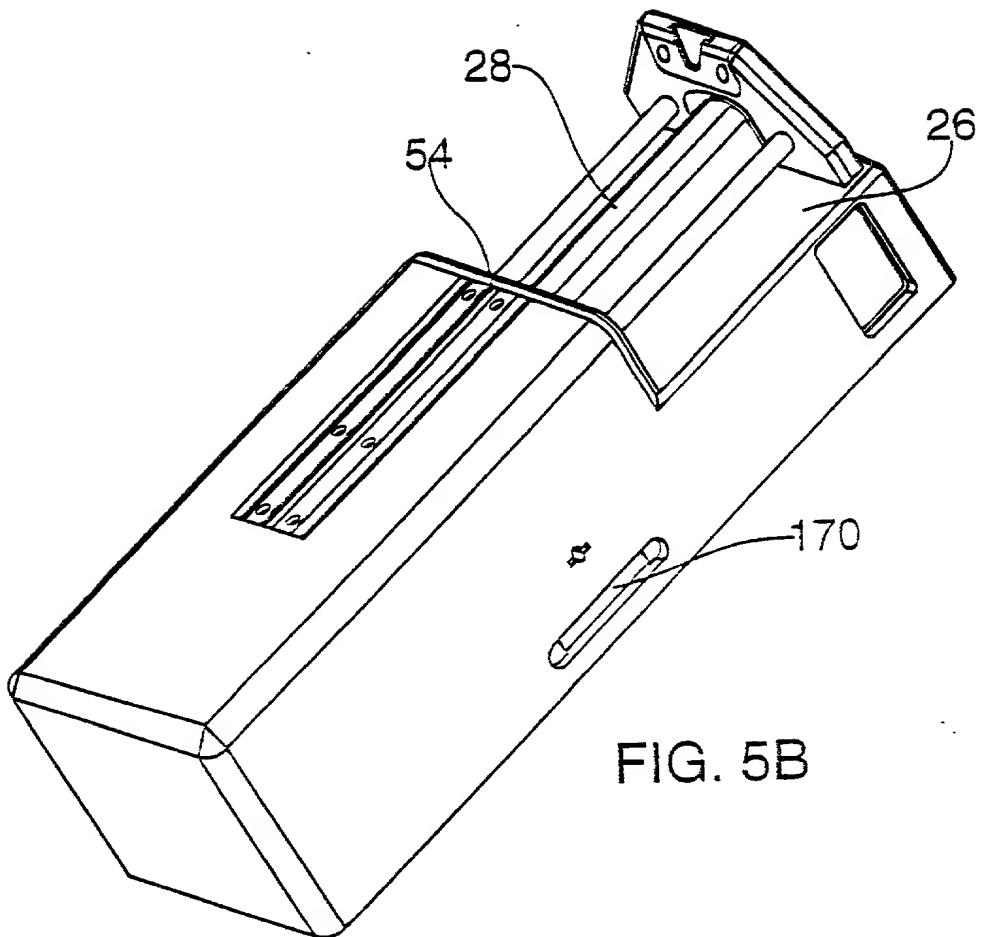


FIG. 5B

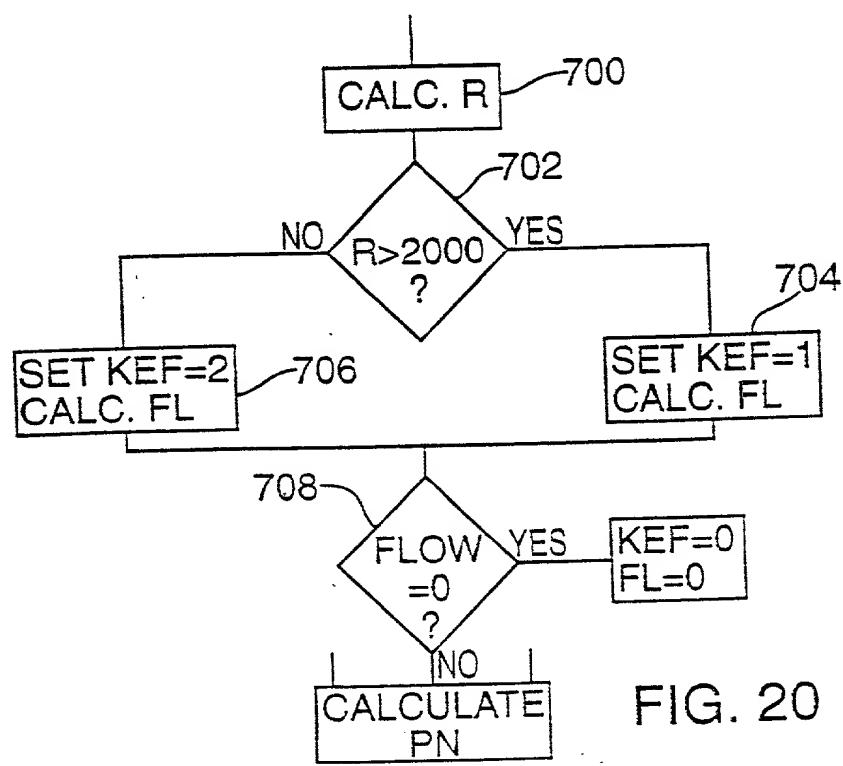
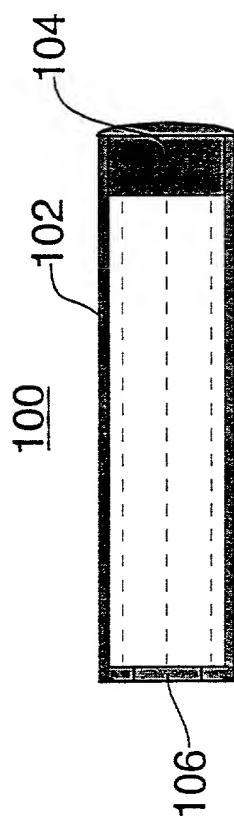
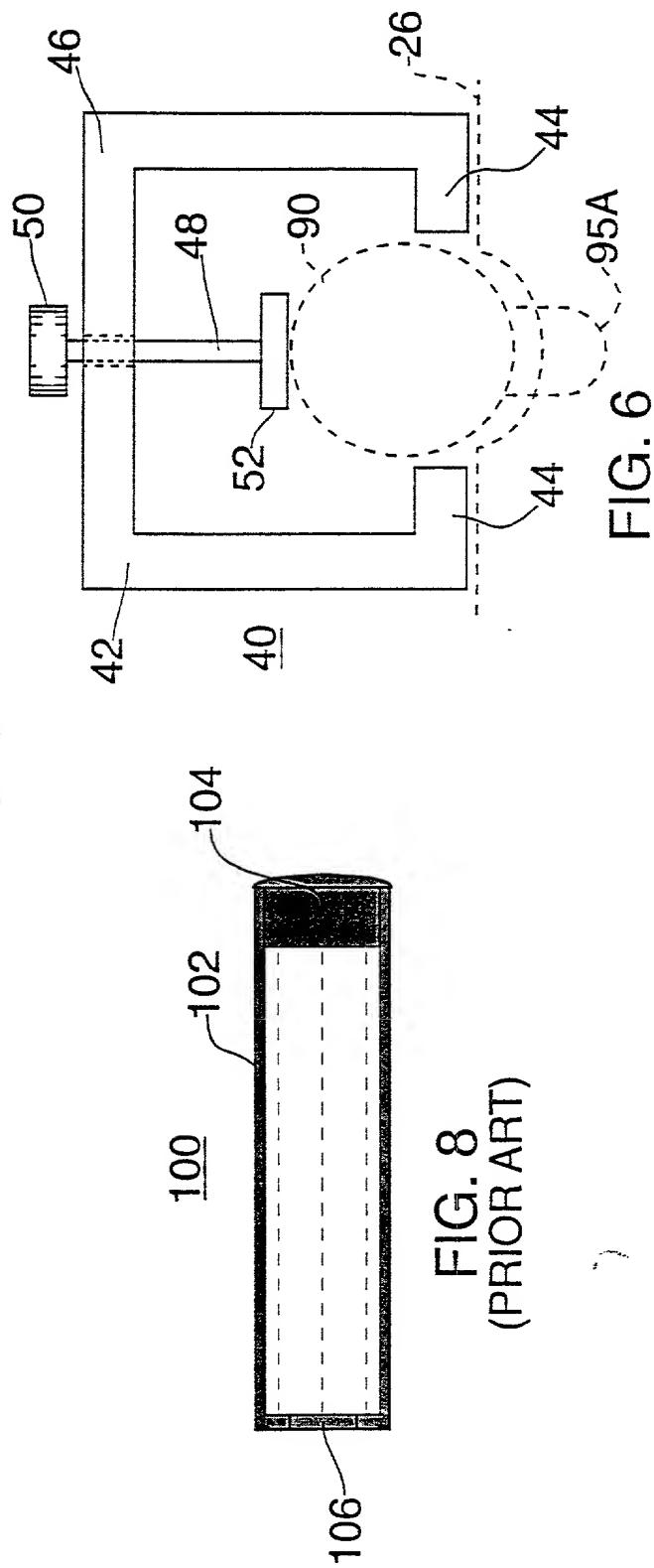
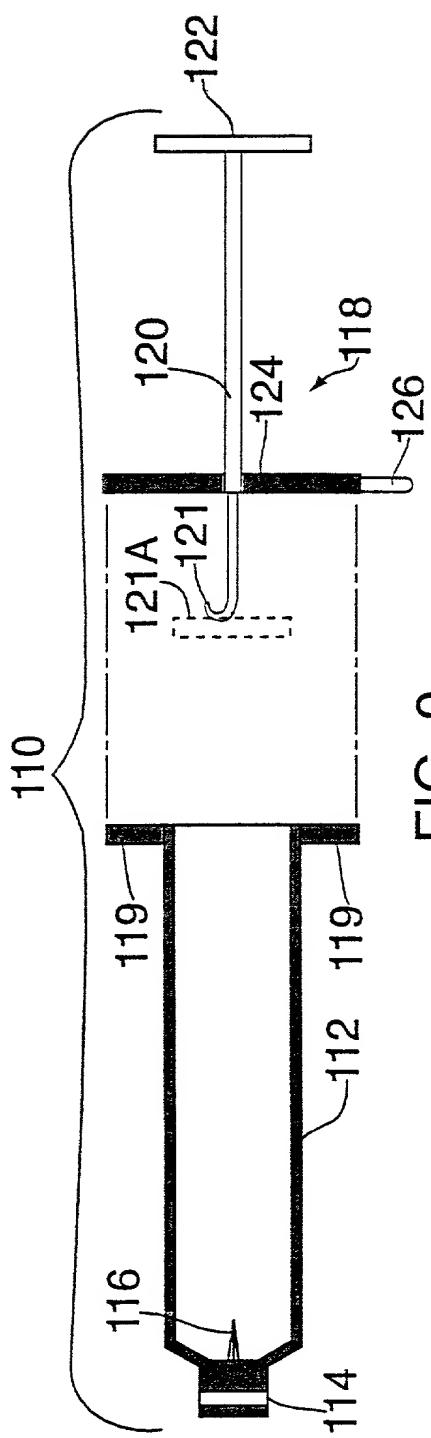


FIG. 20



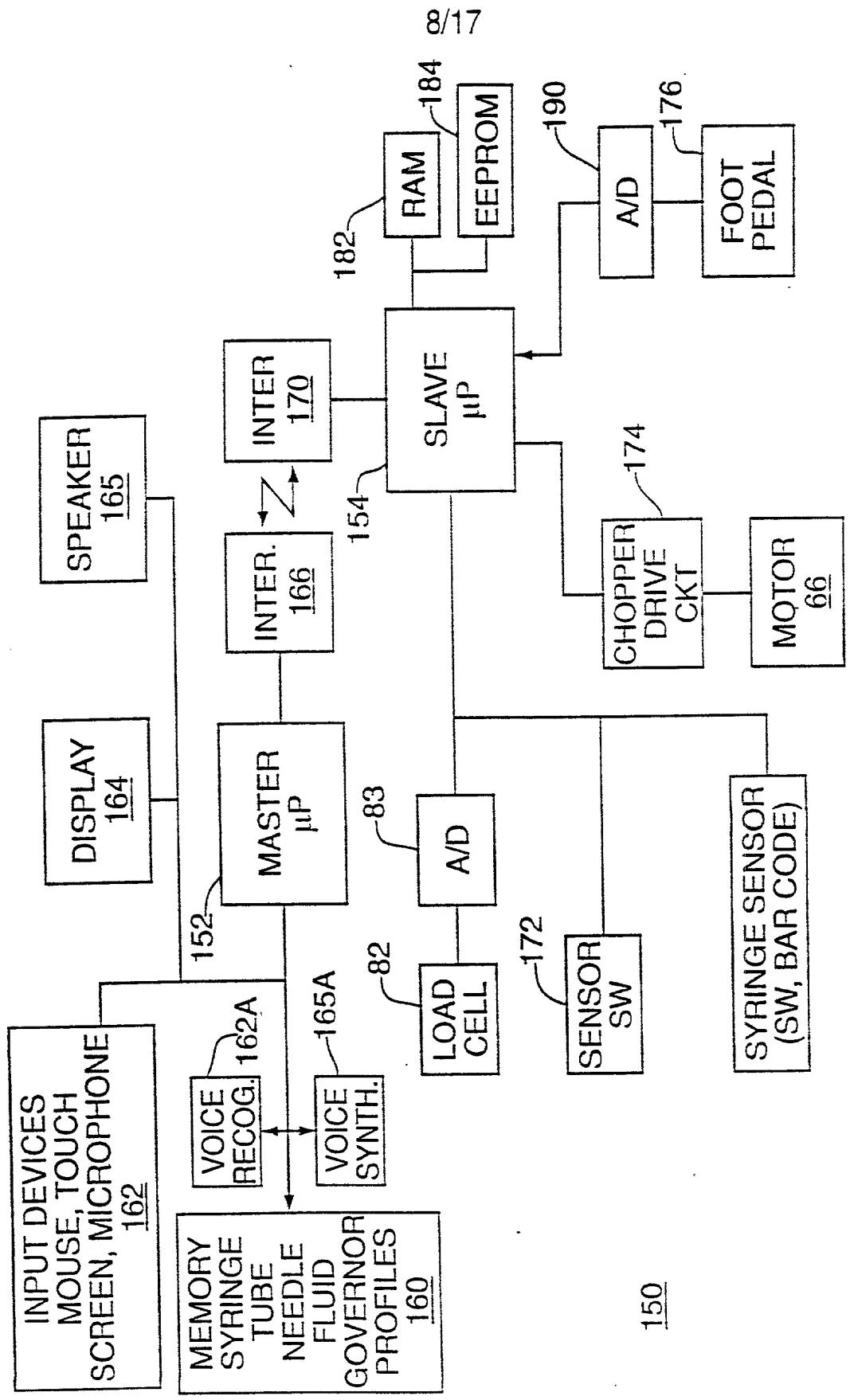


FIG. 10

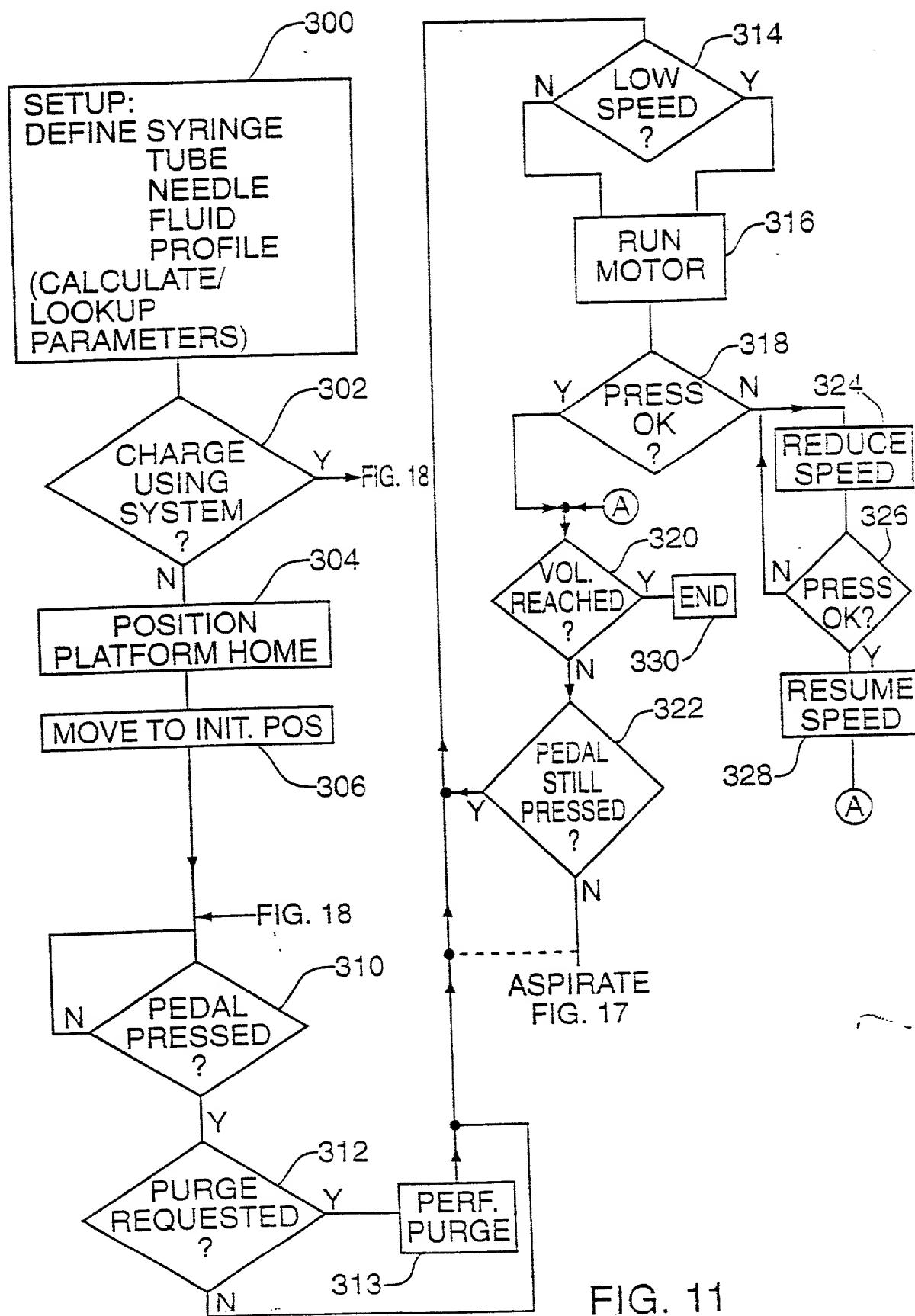


FIG. 11

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Milestone Database Setup

Syringe				
Type	Stroke Length	Syringe Force	Nominal Volume (CC)	Full Point
102CC	1.9	0.5	1.8	1
103CC	2	0.33	3	2.53
105CC	1.75	1	5	2.8
110CC	2.4	1.3	10	2.77
120CC	2.75	1.8	20	1.65

Needle				
Type	Gage	Diameter	Length	△
1BD-305128	30	0.006	1	▲
1BD-305136	27	0.02	125	▼
1DB-333333				
1DD-1234				
1asdfsad	23	23	23	▼

Fluid				
Type	Viscosity	Specific Weight	△	▼
X1Body	000001	0.0002	1	▲
X1Body Fluid	1	2	2	▼
X1Asosad	1	3	3	▼

Tube				
Type	Diameter	Length	△	▼
1Tube	0.673	0.999	1	▲
1Core	0.015	54	2	▼
1Tube1	0.015	66	3	▼
1Tube2	0.015	66	4	▼

Machine Constants												
Force	Travel	Max Force	Zero Adjust	Throttle Back	Scale Factor	Tare	Pegel Zero	Low End	Low Start	High End	High Start	High Aspirate
1	0.5	45	40	2	0.75	27	0	1	1	1	1	1

Machine Profile Setup Screen  
Set Values for Components of Delivery System  
Setup Variable for Machine

FIG. 12A

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Milestone Scientific (Profile Setup)

File Edit Search Run

VOLUME

**General**

- Test Profile Name
- Last Date Modified
- Last Time Modified

**System Sizes**

Syringe	60CC <input checked="" type="checkbox"/>	Nominal Volume <input type="text" value="60 CC"/>	Stroke Length <input type="text" value="4.25 in."/>	Charge Flow <input type="text" value="0.5 CC/Sec"/>
Needle	BD305136 <input checked="" type="checkbox"/>	Syringe Force <input type="text" value="2.75 in."/>	Indicator <input type="text" value="1 CC"/>	Flow <input type="text" value="0.001 CC/Sec"/>
Tube	Tube#1 <input checked="" type="checkbox"/>	Full Pull <input type="text" value="0.2 in."/>	Aspirate <input type="text" value="0.001 CC"/>	Dwell <input type="text" value="2 Sec"/>
Fluid	Gage <input text"="" type="text" value="1.25 in."/>	Purge <input type="text" value="1 CC"/>	Volume <input type="text" value="0.0025 in."/>	
	Diameter <input type="text" value="0.02 in."/>	Diameter <input type="text" value="0.015 in."/>	Flow <input type="text" value="0.2 CC/Sec"/>	Max Pressure (Low Flow) <input type="text" value="1 PSI"/>
				Max Pressure (High Flow) <input type="text" value="1 PSI"/>
				Max Flow <input type="text" value="CC/Sec"/>
				Shuttle/Incubator <input type="checkbox"/>

**Values**

Control Type <input type="checkbox"/> Infection <input checked="" type="checkbox"/>	Tested <input type="checkbox"/>
Low Flow <input type="text" value="4 CC/Sec"/>	High Flow <input type="text" value="0.5 CC/Sec"/>
Pressure Limit <input type="text" value="40 PSI"/>	
Additional Charge Flow <input type="text" value="0.5 CC/Sec"/>	
Indicator <input type="text" value="1 CC"/>	
Aspirate <input type="text" value="0.001 CC"/>	
Volume <input type="text" value="0.001 CC"/>	
Flow <input type="text" value="0.001 CC/Sec"/>	
Dwell <input type="text" value="2 Sec"/>	
Purge <input type="text" value="1 CC"/>	
Volume <input type="text" value="1 CC"/>	
Flow <input type="text" value="0.2 CC/Sec"/>	
Physiologic Source <input type="checkbox"/>	
Electrocardiogram <input checked="" type="checkbox"/>	

**Specifics**

Volume <input type="text" value="60 CC"/>	Release 2.1 <input type="checkbox"/>
<input type="checkbox"/> Charged	<input type="checkbox"/> Charged w/ Air
<input type="checkbox"/> Charged w/o Air	<input type="checkbox"/> Charged w/o Air
<input type="checkbox"/> Aspirate	<input type="checkbox"/> No Aspirate

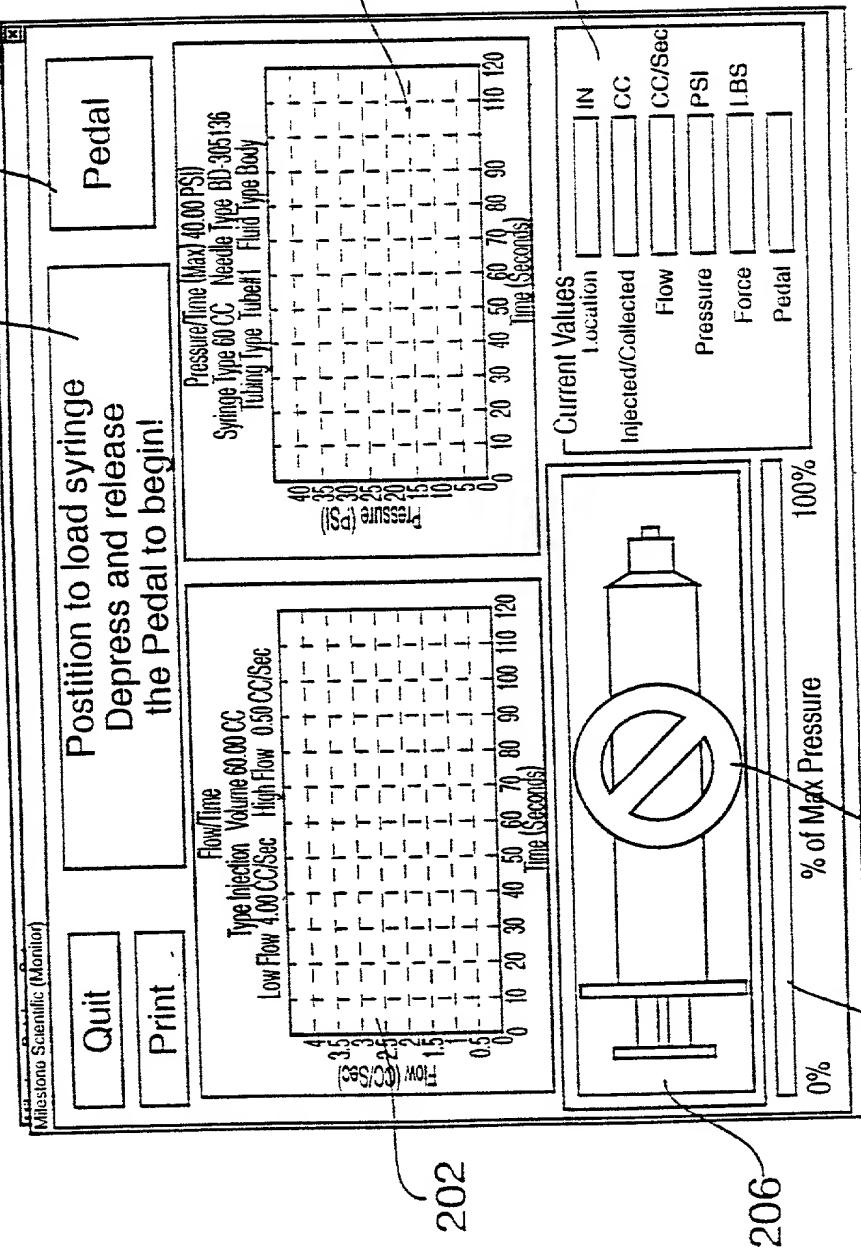
**Calculations**

Needle Volume <input type="text" value="CC"/>
Tube Volume <input type="text" value="CC"/>
System Volume <input type="text" value="CC"/>
Volume Step (0.0025 in.) <input type="text" value="CC"/>
Max Pressure (Low Flow) <input type="text" value="PSI"/>
Max Pressure (High Flow) <input type="text" value="PSI"/>
Max Flow <input type="text" value="CC/Sec"/>

FIG. 12B

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200 198



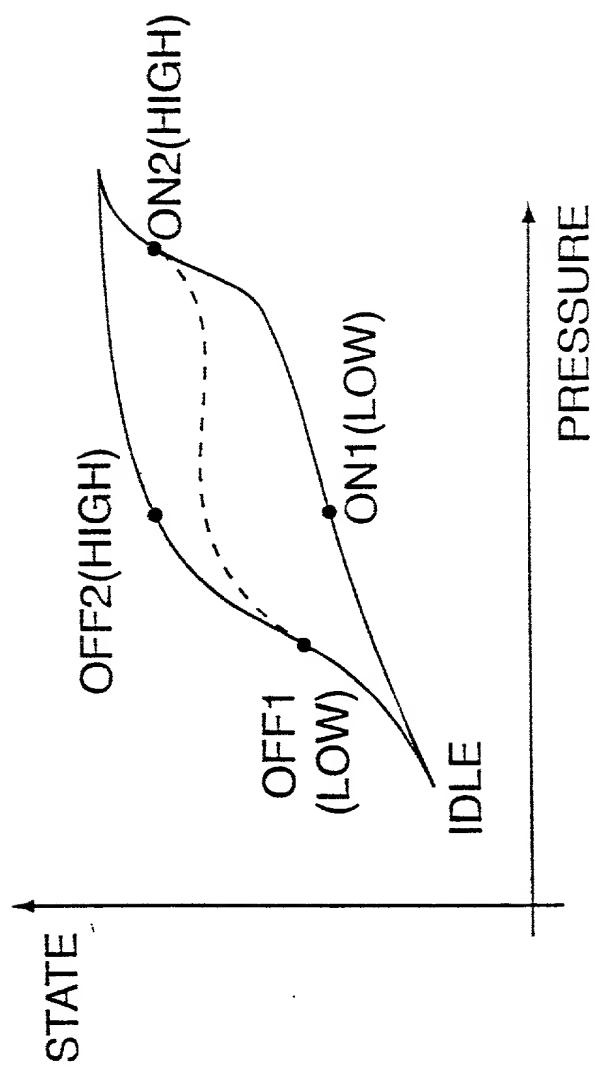


FIG. 14

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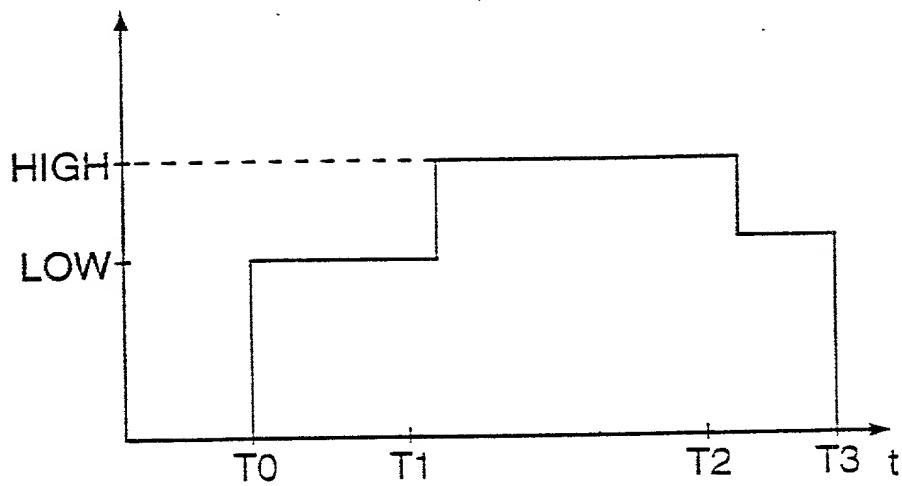


FIG. 15A

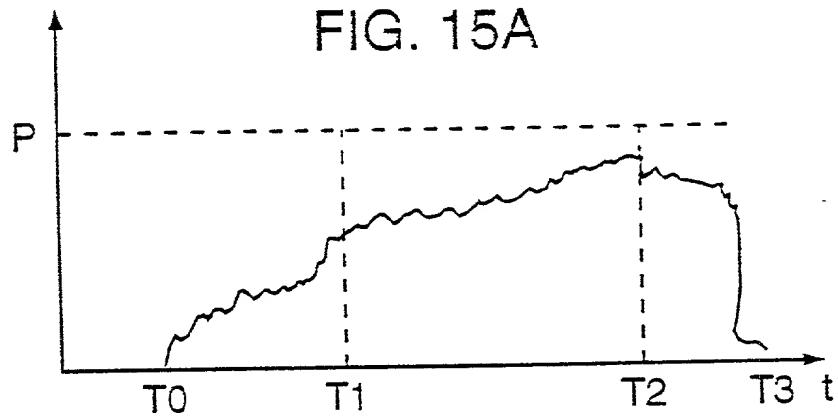


FIG. 15B

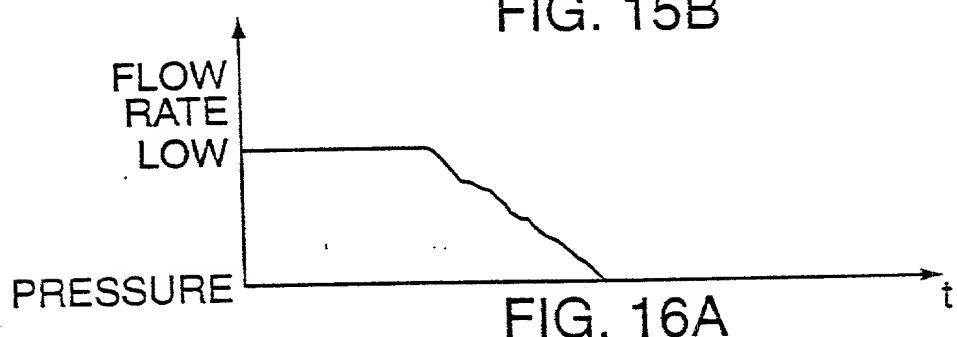


FIG. 16A

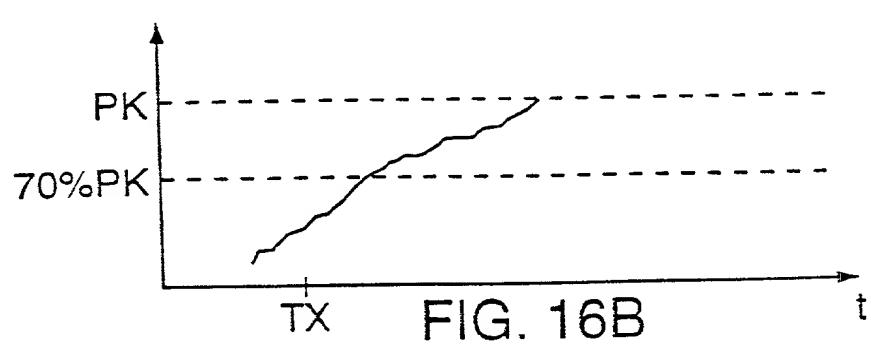


FIG. 16B

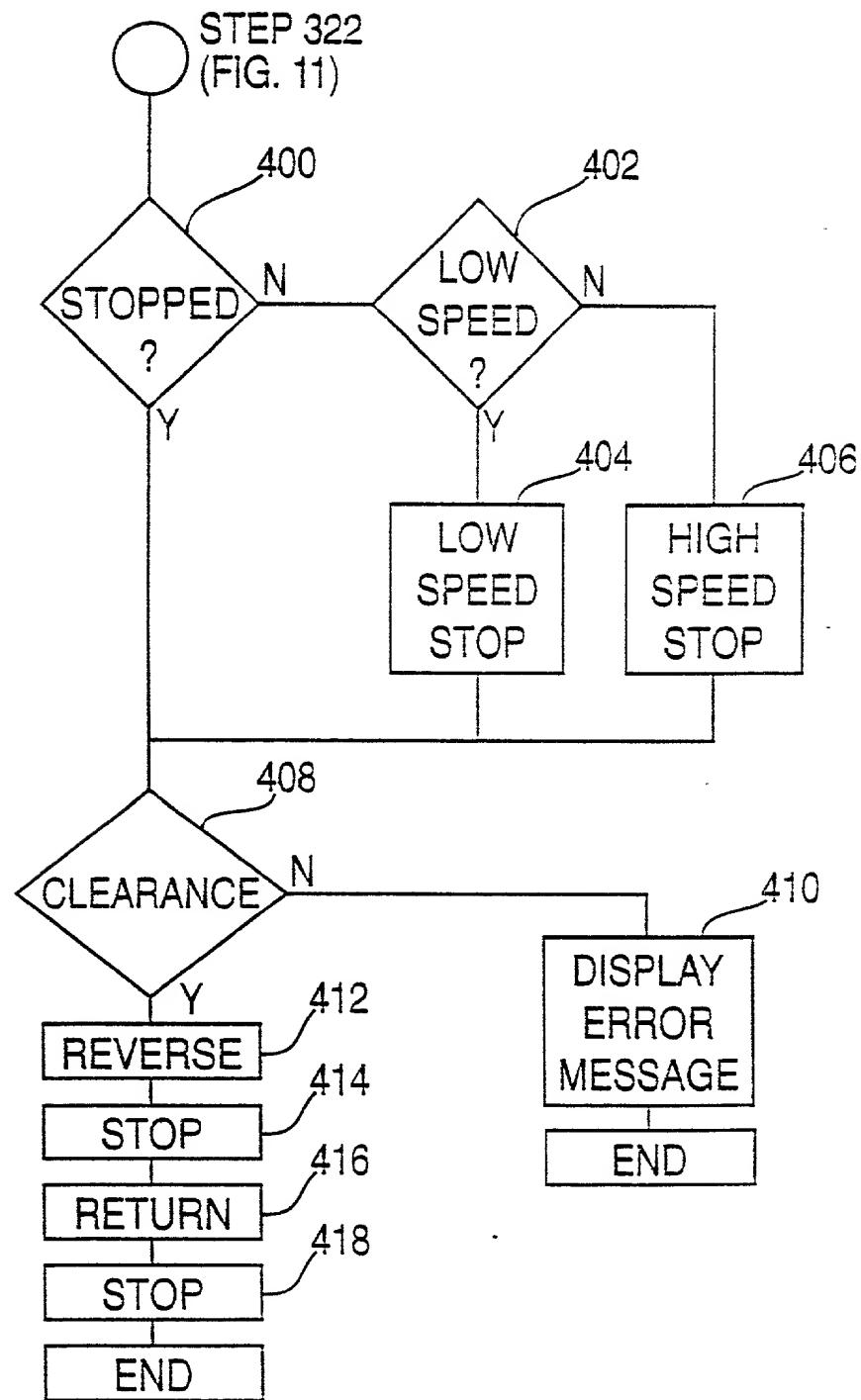


FIG. 17

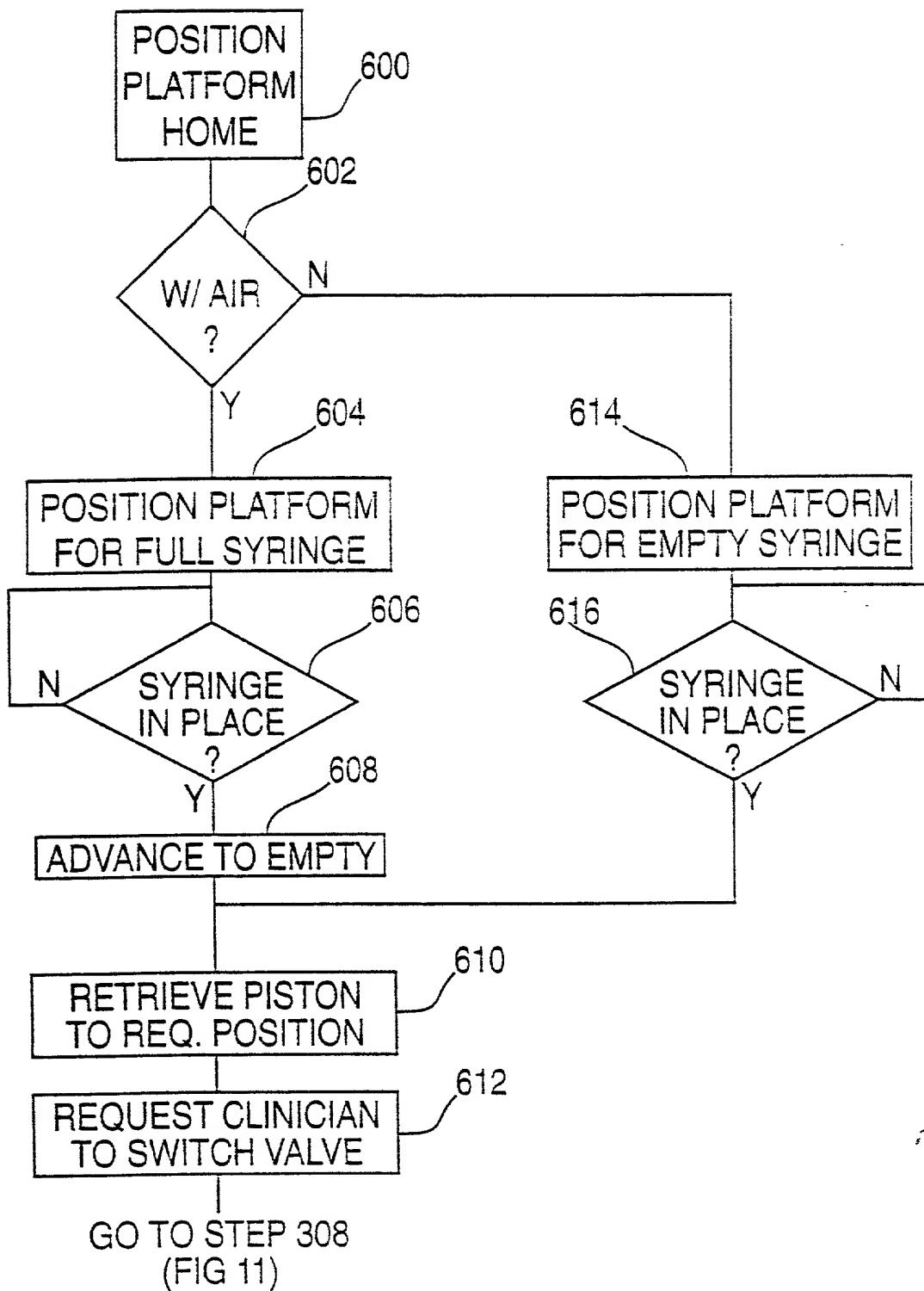


FIG. 18

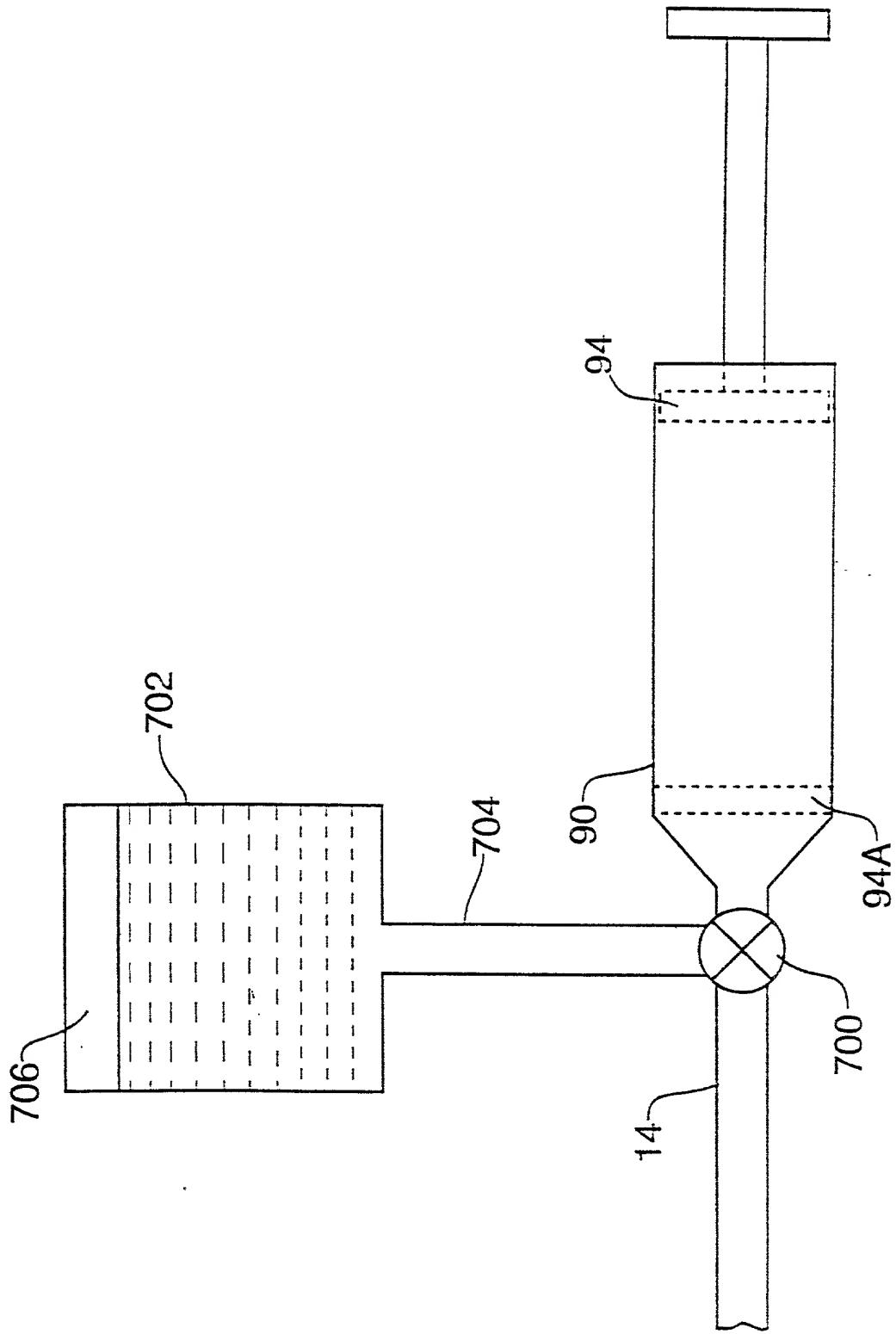


FIG. 19